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Outcrop Number

1 Greenish gray (5 G 6/1) slate and medium light gray (N 6) sericitic silty quartzite. Similar to rock at Knowothing Cove, Baskhegan Lake, SE. Danforth quadrangle.

2 Similar to rock at 1.

3 Similar to rock at 1.

4 Route 1, north of Tapsfield, "border facies" of granite, ("Tumah Mtn. granite"). Light gray coarse-grained leucocratic granite with traces of muscovite and biotite. Chiefly microcline, perthite, and quartz, 1/4 to 1/2 in.

5 Pink medium to coarse-grained (1/8 to 1/2 in.) leucocratic granite, with very little biotite and muscovite. Plagioclase cores sericitized. Chiefly microcline and quartz, with less plagioclase.

6 Pink granite (6 in.) in sheared (N. 65° W., dip 65° SW.) pink to red coarse-grained (1/4 to 1/2 in.) leucocratic granite with traces of muscovite, biotite and hornblende. Depth of weathering 10 ft. in road cut.

7 Similar to rock at 6.

8 Similar to rock at 6.

9 Medium gray (N 5) sericitic carbonate-rich siltstone and slightly darker gray slate.

10 Similar to rock at 9; less slate.

11 Similar to rock at 9.

12 Medium gray (N 5) massive sericitic carbonate-bearing siltstone; movement and quartz veinlets along bedding planes.

13 Medium light gray (N 6) sericitic carbonate-bearing, slightly feldspathic silty quartzite, angular to sub-rounded fragments (as customary with these rocks), interbedded with 1 in. darker gray slate beds.

14 At mouth of Scott Brook. Medium gray (N 5) massive sericitic slightly feldspathic carbonate-bearing quartzose siltstone or silty quartzite with a 4 in. darker gray slate bed. Slightly curved shear planes at 1/2 in. intervals. Rock strongly jointed and sheared. Tiny quartz veinlets trend N. 10° W. and dip vertically, in places these are mere threads 1/4 in. apart over a 2-ft. width.

15 East of bridge over Big Sinsquish Brook. Medium gray (N 5) sericitic carbonate-bearing silty quartzite with paper-thin darker gray slate partings.

16 Poor outcrop of medium gray (N 5) massive sericitic carbonate-bearing quartzose siltstone and slaty siltstone.

17 Route 1, south of Tapsfield. Medium light gray (N 6) sericitic carbonate-rich quartzose siltstone, weathering pale gray.

18 Medium gray (N 5) slightly schistose sericitic carbonate-bearing quartzose siltstone with paper-thin rounded "pebbles" of medium dark gray (N 4) slate up to 1/2 in. diameter, and thin beds of the same medium dark gray slate.

19 Thin bedded (1/8 to 1 in.) medium gray (N 5) schistose sericitic pyritiferous carbonate-rich quartzose siltstone and dark gray (N 3) pyritiferous slate, cut by quartz-calcite veinlets some of which follow bedding and cleavage planes, which are parallel. Sheared 45° to bedding.

20-22 Similar to rock at 19. Crumpled and sheared.

23 Medium gray (N 5) sericitic carbonate-bearing siltstone in 1 to 12 in. beds alternating with darker gray 1/4 to 1 in. beds of slate; bed and cleavage parallel. Crumpled. Bed siltstone erratic.

24 Medium gray (N 5) massive sericitic quartzose siltstone weathering pale gray, grading westward into alternate 1 in. beds of siltstone and darker gray slate; carbonate-bearing and phyllitic where thin-bedded. Crumpled and sheared.

25 Poor outcrop of medium dark gray (N 4) slate.

26 Medium gray (N 5) sericitic carbonate-bearing siltstone and darker gray slate.

27 Medium gray (N 5) sericitic carbonate-bearing slaty siltstone.

28 Medium gray (N 5) sericitic siltstone in 4 to 8 in. beds interbedded with 1/4 to 1 in. beds of darker gray slate.

29 Medium gray (N 5) massive sericitic siltstone with few 1 in. darker gray slate beds.

30 Similar to rock at 29.

31 Medium gray (N 5) massive quartzose siltstone.

32 On road 1/4 to 1/2 in. silty quartzite, with thin, much dragging, crumpling, and shearing of beds, with fault breccia in 1/4 to 1/2 in. fragments. Some quartzose siltstone to silty quartzite. Black slickensides where sheared. Siltstone weathers light gray (N 7) in places.

33 Upper Devonian-Mississippian breccia-conglomerate (or "sharpstone-conglomerate"). Very dusky red (10 R 2/2) and pale red (5 R 6/2), gray, and dark greenish gray (5 G 4/1) siltstone, carbonate-bearing siltstone, and dark greenish gray (5 G 4/1) quartzite, in calcareous cement. Fragments range from angular to round, from 1/3 to 4 in. by 8 in. Elongate fragments 1/2 in. by 3 in. trend from N. 30° E. to N. 80° E., chiefly N. 55° E., and dip vertically over entire outcrop. Three large fragments are color zoned by weathering, being deeper red on the outside. Most rounded pebbles are 1 1/2 in. by 1 in. Fragments are noncarbonate-bearing where weathered; depth of weathering extends several inches below the flat glaciated surface. Matrix calcareous below 1/2 in. depth; soft, red and gray. No granite or volcanic pebbles were seen. Joints trend N. 38° E., N. 40° W., N. 85° W., N. 25° E., N. 80° E., N. 5° E., and N. 45° E. Outcrop enlarged to about 23 ft N-S and 10 ft E-W. Outcrop badly sheared; black on shear planes.

34 Reddish brown-weathered gray sericitic and carbonate-rich siltstone and darker gray slaty siltstone.

35 Interbedded medium gray (N 5) sandy sericitic carbonate-bearing siltstone and darker gray slate in thin beds. Siltstone weathers light gray.

36 Medium light gray (N 6) massive finely sericitic slightly feldspathic and chloritic carbonate-bearing sandy siltstone; carbonate-rich on joints. Folded, with bedding making 30° angle with faint cleavage in places. Light gray weathering.

37 In Huntley Brook. Outcrop 30 by 20 ft. Chiefly medium gray (N 5) sericitic carbonate-bearing siltstone in 12 in. beds interbedded with 1 to 2 in. darker gray slate. Fracture cleavage strikes N. 68° W. dips 80° SW.

38 At Amazon Mtn., southwestern corner of Waite quadrangle. Gray, coarse grained biotitic quartz monzonite.

39 George Brook Flowage. Hard, medium gray sericitic carbonate-bearing siltstone interbedded with darker gray slate, all in beds 2 to 4 in. thick.

40 In Berry Brook Flowage. 100 by 40 ft massive fine-grained hornblende diorite in 3 small islands, close together. Joints trend N. 35° W., dip vertically, and N. 85° E. dip vertically; 1/8 in. quartz veinlets on joints. Faint banding in places strikes N. 45° E. and dips 85° NW., at 1 in. spacing. Two rounded 2 in. by 1 1/2 in. dark gray inclusions. Much feldspar sericitized.

41 In Tumah Stream, near mouth. Massive medium gray (N 5) sericitic carbonate-bearing siltstone in 6 in. to 3 ft beds, and 1/4 to 1 in. beds of darker gray slate.

42 Downstream from 41, on west bank and on island. Hard massive medium gray (N 5) sericitic and carbonate-bearing sandy siltstone.

43 Road from Tumah Stream to Loon Bay. Well-banded medium gray sericitic carbonate-bearing siltstone in 1 to 6 in. beds alternating with 2 in. darker gray slate. Some 1/8 in. limonitic siltstone beds. Beds graded and cross-bedded.

44 Medium gray (N 5) sericitic siltstone.

45 Massive, medium gray (N 5) sericitic carbonate-bearing siltstone. Joints strike S. 30° W., dip 56° E.; S. 65° W., 56° NW.

46 Chiefly massive, medium gray (N 5) sericitic carbonate-bearing siltstone with 6 in. beds of darker gray slate. Joints strike S. 70° W., dip 46° NW., S. 70° E., 48° SW., and S. 15° E., 75° NE. Striae trend S. 21° E.

47 Chiefly dark gray carbonate-rich slate, with less siltstone, also carbonate-rich.

48 Medium gray (N 5) carbonate-bearing slate and lighter gray sericitic and carbonate-bearing siltstone. No prominent joints.

49 At bridge on Tumah Stream. Light gray-weathering, chiefly massive coarse-grained medium gray (N 5) feldspathic and carbonate-rich silty quartzite with few thin beds of darker gray slate and few 1/16 to 1/32 in. beds of granule conglomerate. Many limonite specks. Strong joints strike N. 10° W., dip vertically.

49 Poor outcrop. Medium gray (N 5) sericitic carbonate-bearing darker gray slate, minutely crumpled.

51 Medium gray (N 5) sericitic carbonate-bearing siltstone with thin, darker gray slate beds. Much contorted.

52 Medium gray sericitic carbonate-bearing siltstone in 1/2 to 2 in. beds; darker gray slate in 1/4 in. beds. Rocks crumpled; minor quartz veinlets on bed and elsewhere.

53 Similar to rock at 52.

54 Thin, interbedded medium gray (N 5) silty sericitic quartzite and darker gray (3) carbonaceous minutely crumpled slate; sheared, chloritic and slickensided parallel with beds, which are marked by tiny quartz veinlets.

55 Some massive medium gray (N 5) sandy sericitic carbonate-bearing siltstone northwest of interbedded laminated 1/4 in. darker gray slate and 1/4 in. carbonate-bearing siltstone.

56 Similar to rock at 55.

57 Massive light gray-weathering, medium gray (N 5) coarse-grained sandy sericitic siltstone and silty quartzite.

58 Thinner bedded coarse-grained sandy sericitic and carbonate-bearing siltstone.

59 Similar to rock at 58.

60 Similar to rock at 59.

61 Similar to rock at 60.

62 Medium gray thin-bedded sericitic carbonate-bearing siltstone and darker gray slate; some massive sericitic silty quartzite.

63 Poor outcrop of dark gray slate.

64 Massive hard medium gray (N 5) sericitic noncarbonate-bearing sandy siltstone.

65 Massive blocky medium gray sericitic siltstone.

66 Similar to rock at 65.

67 Medium gray (N 5) sericitic carbonate-rich slaty siltstone and silty quartzite; paper-thin medium dark gray (N 4) slate.

68 Medium dark gray (N 4) sericitic, carbonate-bearing siltstone.

69 Medium gray (N 5) sericitic siltstone.

70 Very light gray-weathering (N 8) medium gray (N 5) sandy feldspathic sericitic carbonate-bearing siltstone and silty quartzite.

71 On Bingo Road. Medium dark and medium light gray sericitic slightly chloritic noncarbonate-bearing sandy siltstone with few darker gray slaty siltstone beds. Also some medium gray (N 5) sericitic silty quartzite.

72 Light gray-weathered medium gray (N 5) sericitic slightly feldspathic carbonate-bearing and noncarbonate-bearing siltstone in 1/2 in. beds interlayered with 1/8 in. beds of medium dark gray (N 4) sericitic slate.

73 Poor outcrop. Hard, brittle, medium gray (N 5) sericitic silty quartzite or sandy siltstone; some beds carbonate-bearing. Beds 4 to 12 in. thick.

74 Medium light gray-weathering rock similar to that at 72. Some thin slaty siltstone beds.

75 On McLain Mtn. Some rock similar to that along Bingo Road. Hard, resistant, medium gray (N 5) sericitic carbonate-rich sandy siltstone and darker gray slate. Rocks range from chiefly silty slate, with cleavage parallel bedding, nearly to quartzite. Massive sandy siltstone in places. Some beds carbonate-bearing, and fairly coarse grained. Noncarbonate-bearing slaty beds grade into thin beds of siltstone. Quartz veins and blobs, with pyrite, up to 1 ft by 3 ft along joints. Sheared siltstone also contains small pyrite crystals. Some beds minutely crumpled, and graphitic on bedding and shear planes. Sheared and slickensided. Assailed, small (25 ft. by 7 ft. by 5 ft.) gold prospect pit in south hillside. Some shear planes chloritic. This outcrop group is highly contorted and sheared. Some minutely bedded alternating medium gray (N 5) and very light gray (N 8) laminae of sand and silt, noncarbonate-bearing.

17 Numbered color descriptions from *Geological Survey Bulletin*, E. N. Chairman, and others, 1948, Rock-color chart. 6 p., illus., Washington, D. C., Natl. Research Council.